



BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of work: Improvements to Roads and Drains at Maruthi Layout, Vinayakanagara, Seenappa Garden and Surrounding areas in Ward No. 15 (Kuvempunagara).

Estimated Cost : Rs. 55.00 Lakhs

Head of Account : P-3726 Zonal Public Works - POW Works

Job Code: 015-23-000012

Name of Agency: Sri. U. Ramesh, No. 12, 4th Cross, Sunrishe Colony, Cholanayakanahalli, Bangalore - 32.

Work order No: BBMP/EE/BTP/WO/173/2022-23 D: 15-03-2023.

	Measurements Recorded on :	30/06/2023					
SI No	Description of work	Measurement				Qty.	Unit
		No.	L	B	D		
1	Earth work Excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such similar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenances required to complete the work.						Cum
	New Drains						
	Maruthi Layout 2nd Cross						
	E/S	1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	4.00	0.80	1.00	3.20	
	W/S						
		1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	4.50	0.80	1.00	3.60	
	Maruthi Layout 4th Cross						
	E/S	1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	5.00	0.80	1.00	4.00	

C. Ramesh
Contractor

Devi
Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer

SI No	Description of work	Measurement				Qty.	Unit
		No.	L	B	D		
		1	9.00	0.80	1.00	7.20	
	W/S						
		1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	14.00	0.80	1.00	11.20	
		1	15.00	0.80	1.00	12.00	
		1	5.10	0.80	1.00	4.08	
	Vinayakanagara 7th Cross S/S						
	E/S	1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	4.80	0.80	1.00	3.84	
	W/S						
		1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	4.80	0.80	1.00	3.84	
	Vinayakanagara 7th Cross N/S						
	E/S	1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	3.80	0.80	1.00	3.04	
	W/S						
		1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	3.20	0.80	1.00	2.56	
	Ganesh Layout 6th Cross N/S						
		1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	15.30	0.80	1.00	12.24	
	New Sai Garden 1st Cross						
	E/S	1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	13.90	0.80	1.00	11.12	
	New Sai Garden 3rd Cross						
	E/S	1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	7.50	0.80	1.00	6.00	
	W/S						
		1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	15.00	0.80	1.00	12.00	
		1	8.70	0.80	1.00	6.96	
	Muniswamappa Layout						
		1	15.00	0.75	0.90	10.13	

U. Namam
Contractor

Devi 263
Assistant Engineer

C
Assistant Executive Engineer

Assistant Executive Engineer

SI No	Description of work	Measurement				Qty.	Unit
		No.	L	B	D		
		1	15.00	0.75	0.90	10.13	1/2
		1	15.00	0.75	0.90	10.13	
		1	5.00	0.75	0.90	3.38	
	Culverts						
	2nd Cross Road Maruthi Layout	1	5.20	1.80	1.00	9.36	1/2
	3rd Cross Road Maruthi Layout	1	5.10	1.80	1.00	9.18	
	4th Cross Road Maruthi Layout	1	4.60	1.80	1.00	8.28	
	7th Cross Road Ganesh Layout	1	6.00	1.80	1.00	10.80	
	Muniswamappa Layout	1	6.50	1.80	1.00	11.70	
	Total					585.95	


Assistant Engineer

Ward No. 15, Kuvempunagara


Assistant Executive Engineer
Vidyaranyapura Sub-Division
Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97


Contractor

Assistant Engineer

Assistant Executive Engineer

SI No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
	Measurements Recarded on :	12/08/2023					
2	Providing and laying in position Plain Cement Concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications.						Cum
	New Drain						
	Maruthi Layout 2nd Cross						
	E/S	1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	4.00	0.80	0.15	0.48	
	W/S						
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	4.50	0.80	0.15	0.54	
	Maruthi Layout 4th Cross						
	E/S	1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	5.00	0.80	0.15	0.60	
		1	9.00	0.80	0.15	1.08	
	W/S						
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	14.00	0.80	0.15	1.68	
		1	15.00	0.80	0.15	1.80	
		1	5.10	0.80	0.15	0.61	
	Vinayakanagara 7th Cross S/S						
	E/S	1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	4.80	0.80	0.15	0.58	
	W/S						
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	4.80	0.80	0.15	0.58	
	Vinayakanagara 7th Cross N/S						
	E/S	1	15.00	0.80	0.15	1.80	

[Signature]
Contractor

[Signature]
Assistant Engineer

[Signature]
Assistant Executive Engineer
Assistant Executive Engineer

Sl No	Description of work	Measurement				Qty.	Unit
		No.	L	B	D		
		1	15.00	0.80	0.15	1.80	
		1	3.80	0.80	0.15	0.46	
	W/S						
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	3.20	0.80	0.15	0.38	
	Ganesh Layout 6th Cross N/S						
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	15.30	0.80	0.15	1.84	
	New Sai Garden 1st Cross						
	E/S	1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	13.90	0.80	0.15	1.67	
	New Sai Garden 3rd Cross						
	E/S	1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	7.50	0.80	0.15	0.90	
	W/S						
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	8.70	0.80	0.15	1.04	
	Muniswamappa Layout						
		1	15.00	0.75	0.15	1.69	
		1	15.00	0.75	0.15	1.69	
		1	15.00	0.75	0.15	1.69	
		1	5.00	0.75	0.15	0.56	
	Culverts						
	2nd Cross Road Maruthi Layout	1	5.20	1.80	0.15	1.40	
	3rd Cross Road Maruthi Layout	1	5.10	1.80	0.15	1.38	
	4th Cross Road Maruthi Layout	1	4.60	1.80	0.15	1.24	
	7th Cross Road Ganesh Layout	1	6.00	1.80	0.15	1.62	
	Muniswamappa Layout	1	6.50	1.80	0.15	1.76	
	Total					88.46	

Assistant Engineer
Ward No. 15, Kuvempunagara

Assistant Executive Engineer
Vidyaranyapura Sub-Division
B.B.M.P, Bangalore - 97

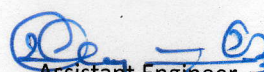
Contractor

Assistant Engineer

Assistant Executive Engineer

SI No	Description of work	Measurement				Qty.	Unit
		No.	L	B	D		
	Measurements Recorded on :	22/08/2023					
3	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately)						
							Cum
	New Drains						
	Raft						
	Maruthi Layout 2nd Cross						
	E/S	1	15.00	0.80	0.15	1.80	✓ ✓ ✓ ✓ ✓ of
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	4.00	0.80	0.15	0.48	
	W/S						
		1	15.00	0.80	0.15	1.80	✓ ✓ ✓ ✓ ✓ of
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	4.50	0.80	0.15	0.54	
	Maruthi Layout 4th Cross						
	E/S	1	15.00	0.80	0.15	1.80	✓ ✓ ✓ ✓ ✓ of
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	5.00	0.80	0.15	0.60	
		1	9.00	0.80	0.15	1.08	
	W/S						
		1	15.00	0.80	0.15	1.80	✓ ✓ ✓ ✓ ✓ of
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	14.00	0.80	0.15	1.68	
		1	15.00	0.80	0.15	1.80	
		1	5.10	0.80	0.15	0.61	
	Vinayakanagara 7th Cross S/S						
	E/S	1	15.00	0.80	0.15	1.80	✓ ✓ ✓ ✓ of
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	4.80	0.80	0.15	0.58	
	W/S						
		1	15.00	0.80	0.15	1.80	✓ ✓
		1	15.00	0.80	0.15	1.80	

C. N. N. N.
Contractor


Assistant Engineer


Assistant Executive Engineer
Assistant Executive Engineer

SI No	Description of work	Measurement				Qty.	Unit
		No.	L	B	D		
		1	15.00	0.80	0.15	1.80	
		1	4.80	0.80	0.15	0.58	
	Vinayakanagara 7th Cross N/S						
	E/S	1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	3.80	0.80	0.15	0.46	
	W/S						
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	3.20	0.80	0.15	0.38	
	Ganesh Layout 6th Cross N/S						
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	15.30	0.80	0.15	1.84	
	New Sai Garden 1st Cross						
	E/S	1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	13.90	0.80	0.15	1.67	
	New Sai Garden 3rd Cross						
	E/S	1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	7.50	0.80	0.15	0.90	
	W/S						
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	8.70	0.80	0.15	1.04	
	Muniswamappa Layout						
		1	15.00	0.70	0.15	1.58	
		1	15.00	0.70	0.15	1.58	
		1	15.00	0.70	0.15	1.58	
		1	5.00	0.70	0.15	0.53	
	Side Walls						
	Maruthi Layout 2nd Cross						
	E/S	2	15.00	0.15	0.60	2.70	
		2	15.00	0.15	0.61	2.75	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.66	
		2	4.00	0.15	0.58	0.70	
	W/S						
		2	15.00	0.15	0.59	2.66	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.60	2.70	
		2	15.00	0.15	0.58	2.61	
		2	4.50	0.15	0.59	0.80	

Contractor

Assistant Engineer

Assistant Executive Engineer
Vidvaranapura Sub Division

SI No	Description of work	Measurement				Qty.	Unit
		No.	L	B	D		
	Maruthi Layout 4th Cross						
	E/S	2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.66	
		2	15.00	0.15	0.58	2.61	
		2	5.00	0.15	0.59	0.89	
		2	9.00	0.15	0.60	1.62	
	W/S						
		2	15.00	0.15	0.60	2.70	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.66	
		2	14.00	0.15	0.58	2.44	
		2	15.00	0.15	0.59	2.66	
		2	5.10	0.15	0.60	0.92	
	Vinayakanagara 7th Cross S/S						
	E/S	2	15.00	0.15	0.60	2.70	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.66	
		2	4.80	0.15	0.60	0.86	
	W/S						
		2	15.00	0.15	0.60	2.70	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.66	
		2	4.80	0.15	0.59	0.85	
	Vinayakanagara 7th Cross N/S						
	E/S	2	15.00	0.15	0.59	2.66	
		2	15.00	0.15	0.58	2.61	
		2	3.80	0.15	0.59	0.67	
	W/S						
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.66	
		2	3.20	0.15	0.58	0.56	
	Ganesh Layout 6th Cross N/S						
		2	15.00	0.15	0.42	1.89	
		2	15.00	0.15	0.46	2.07	
		2	15.30	0.15	0.53	2.43	
	New Sai Garden 1st Cross						
	E/S	2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.66	
		2	13.90	0.15	0.59	2.46	
	New Sai Garden 3rd Cross						
	E/S	2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.66	
		2	7.50	0.15	0.59	1.33	
	W/S						
		2	15.00	0.15	0.58	2.61	

Ch. Ramani
Contractor

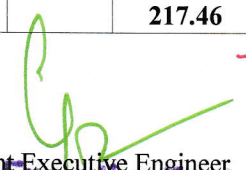
Ramani
Assistant Engineer

[Signature]
Assistant Executive Engineer
Vidyanagar

SI No	Description of work	Measurement				Qty.	Unit
		No.	L	B	D		
		2	15.00	0.15	0.59	2.66	
		2	15.00	0.15	0.58	2.61	
		2	8.70	0.15	0.59	1.54	
	Muniswamappa Layout	2	15.00	0.15	0.60	2.70	
		2	15.00	0.15	0.60	2.70	
		2	15.00	0.15	0.60	2.70	
		2	5.00	0.15	0.60	0.90	
						198.95	
	Culverts						
	Raft						
	2nd Cross Road Maruthi Layout	1	5.20	1.60	0.20	1.66	
	3rd Cross Road Maruthi Layout	1	5.10	1.60	0.20	1.63	
	4th Cross Road Maruthi Layout	1	4.60	1.60	0.20	1.47	
	7th Cross Road Ganesh Layout	1	6.00	1.60	0.20	1.92	
	Muniswamappa Layout	1	5.00	1.60	0.20	1.60	
	Side Wall						
	2nd Cross Road Maruthi Layout	2	5.20	0.30	0.60	1.87	
	3rd Cross Road Maruthi Layout	2	5.10	0.30	0.60	1.84	
	4th Cross Road Maruthi Layout	2	4.60	0.30	0.60	1.66	
	7th Cross Road Ganesh Layout	2	6.00	0.30	0.60	2.16	
	Muniswamappa Layout	2	5.00	0.30	0.90	2.70	
						18.51	
	Total					217.46	


Assistant Engineer

Ward No. 15, Kuvempunagara


Assistant Executive Engineer
Vidyaranyapura Sub-Division
B.B.M.P, Bangalore - 97



Contractor

Assistant Engineer

Assistant Executive Engineer

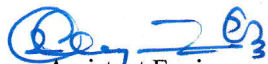
Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
	Measurements Recorded on :	22-08-2023					
4	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.						Tonne
	<u>U Shape Drains</u>	No	L	Mtrs	Kg/m	Kgs	
	Maruthi Layout 2nd Cross						
	E/S						
	10 mm dia	533	2.00	1066.00	0.62	660.92	
	8 mm dia	16	64.00	1024.00	0.39	399.36	
	Total					1060.28	
	W/S						
	10 mm dia	538	2.00	1076.00	0.62	667.12	
	8 mm dia	16	64.50	1032.00	0.39	402.48	
	Total					1069.60	
	Maruthi Layout 4th Cross						
	E/S						
	10 mm dia	492	2.00	984.00	0.62	610.08	
	8 mm dia	16	59.00	944.00	0.39	368.16	
	Total					978.24	
	W/S						
	10 mm dia	660	2.00	1320.00	0.62	818.40	
	8 mm dia	16	79.10	1265.60	0.39	493.58	
	Total					1311.98	
	Vinayakanagara 7th Coss S/S						
	E/S						
	10 mm dia	416	2.00	832.00	0.62	515.84	
	8 mm dia	16	49.80	796.80	0.39	310.75	
	Total					826.59	
	W/S						
	10 mm dia	416	2.00	832.00	0.62	515.84	
	8 mm dia	16	49.80	796.80	0.39	310.75	
	Total					826.59	
	Vinayakanagara 7th Coss N/S						
	E/S						
	10 mm dia	282	2.00	564.00	0.62	349.68	
	8 mm dia	16	33.80	540.80	0.39	210.91	
	Total					560.59	
	W/S						
	10 mm dia	277	2.00	554.00	0.62	343.48	
	8 mm dia	16	33.20	531.20	0.39	207.17	
	Total					550.65	
	Ganesh Layout 6th Cross N/S						
	10 mm dia	378	2.00	756.00	0.62	468.72	
	8 mm dia	16	45.30	724.80	0.39	282.67	
	Total					751.39	
	New Sai Garden 1st Cross E/S						

Contractor

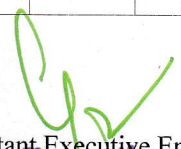
Assistant Engineer

Assistant Executive Engineer

Sl No	Description of work	Measurement				Qty.	Unit
		No.	L	B	D		
	10 mm dia	366	2.00	732.00	0.62	453.84	
	8 mm dia	16	43.90	702.40	0.39	273.94	
	Total					727.78	
	New Sai Garden 3rd Cross E/S						
	10 mm dia	438	2.00	876.00	0.62	543.12	
	8 mm dia	16	52.50	840.00	0.39	327.60	
	Total					870.72	
	New Sai Garden 3rd Cross W/S						
	10 mm dia	448	2.00	896.00	0.62	555.52	
	8 mm dia	16	53.70	859.20	0.39	335.09	
	Total					890.61	
	Muniswamappa Layout						
	10 mm dia	417	2.00	834.00	0.62	517.08	
	8 mm dia	16	50.00	800.00	0.39	312.00	
	Total					829.08	
	RCC Drains Grant Total					11254.10	
	Culverts						
	2nd Cross Maruthi Layout						
	16 mm	44	3.60	158.40	1.58	250.27	
	12 mm	36	5.20	187.20	0.89	166.61	
	Total					416.88	
	3rd Cross Maruthi Layout						
	16 mm	43	3.60	154.80	1.58	244.58	
	12 mm	36	5.10	183.60	0.89	163.40	
	Total					407.99	
	4th Cross Road Maruthi Layout						
	16 mm	39	3.60	140.40	1.58	221.83	
	12 mm	34	4.60	156.40	0.89	139.20	
	Total					361.03	
	7th Cross Ganesh Layout						
	16 mm	51	3.60	183.60	1.58	290.09	
	12 mm	34	6.00	204.00	0.89	181.56	
	Total					471.65	
	Muniswamappa Layout						
	16 mm	55	3.60	198.00	1.58	312.84	
	12 mm	34	6.50	221.00	0.89	196.69	
	Total					509.53	
	Culvert Grand Total					2167.07	
						13421.18	Kgs
	Total Qty =					13.42	Tonnes
	Qty Ltd Approved Qty =					13.42	Tonnes


Assistant Engineer

Ward No. 15, Kuvempunagara


Assistant Executive Engineer
Vidyanayapura Sub-Division
B.B.M.P, Bangalore - 97


Contractor

Assistant Engineer

Assistant Executive Engineer

Sl No	Description of work	Measurement				Qty.	Unit
		No.	L	B	D		
	Measurements Recorded on :						
E1	Removing and resetting of footpath slab (Approved arrival rate)						Sqm
	Covering Slab						
	Maruthi Layout 2nd Cross						
	E/S	1	2.80		0.90	2.52	
		1	3.00		0.90	2.70	
		1	3.00		0.90	2.70	
		1	2.50		0.90	2.25	
		1	2.00		0.90	1.80	
	W/S						
		1	2.50		0.90	2.25	
		1	1.80		0.90	1.62	
		1	2.50		0.90	2.25	
		1	2.60		0.90	2.34	
		1	1.50		0.90	1.35	
	Maruthi Layout 4th Cross						
	E/S	1	2.30		0.90	2.07	
		1	2.50		0.90	2.25	
		1	2.80		0.90	2.52	
		1	3.00		0.90	2.70	
	W/S						
		1	2.50		0.90	2.25	
		1	1.80		0.90	1.62	
		1	2.90		0.90	2.61	
		1	2.20		0.90	1.98	
		1	1.50		0.90	1.35	
	Vinayakanagara 7th Cross S/S						
	E/S	1	15.00		0.90	13.50	
		1	15.00		0.90	13.50	
		1	15.00		0.90	13.50	
		1	1.20		0.90	1.08	
	W/S						
		1	15.00		0.90	13.50	
		1	15.00		0.90	13.50	
		1	4.20		0.90	3.78	
	New Sai Garden 3rd Cross						
	E/S	1	8.70		0.75	6.53	
	W/S						
		1	15.00		0.90	13.50	
		1	15.00		0.90	13.50	
		1	13.50		0.90	12.15	
	Total Qty					159.17	

Contractor
Contractor

Assistant Engineer
Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Vidyanarayanan S. S.